

EXPRESS MAIL NO. EV718247057US

Sheet 1 of 6

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
530055.413R1APPLICATION NO.  
09/680,697INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)APPLICANT  
Walter W. CollinsFILING DATE  
October 6, 2002GROUP ART UNIT  
3724

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(F)	AA	23,975	05/10/1859	Belcher	30	160	
(F)	AB	57,902	09/11/1866	Hibbard	30	162	
(F)	AC	338,251	03/23/1886	Crandall et al.	30	161	
(F)	AD	382,967	05/15/1888	Fullerton	451	309	
(F)	AE	530,792	12/11/1894	Nordlow	30	159	
(F)	AF	551,052	12/10/1895	Waldron et al. Shonard et al.	30	159	
(F)	AG	552,928	01/14/1896	Russell	30	159	
(F)	AH	557,760	04/07/1896	Brauer	30	159	
(F)	AI	577,593	02/23/1897	Bronson et al.	16	293	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
(F)	AJ	1 104 386	04/06/61	DE		X
(F)	AK	0 230 000	07/29/87	EP		X
(F)	AL	3-227601	10/08/91	JP		X
(F)	AM	4-030979	02/03/92	JP		X
(F)	AN	5-185381	07/27/93	JP		X
(F)	AO	2 705 606	12/02/94	FR		X

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	
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EXAMINER C. Dexter DATE CONSIDERED 1/5/06

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CS	BA	600,442	03/08/1898	Nell	30	159	
CS	BB	749,230	01/12/04	Severance	30	160	
CS	BC	825,976	07/17/06	Neiglick	30	162	
CS	BD	845,792	03/05/07	Jenkins	30	162	
CS	BE	969,909	09/13/10	Schrade et al.	30	159	
CS	BF	777,358	12/13/04	Weck	30	159	
CS	BG	1,057,525	04/01/13 03/13/12	Bruecker	30	162 x	
CS	BH	1,189,005	06/27/16	Seely	30	161 x	
CS	BI	1,357,398	11/02/20	Haywood	30	161	
CS	BJ	1,412,373	04/11/22	Shields	30	159	
CS	BK	1,417,872	05/30/22	Wall	30	162	
CS	BL	1,454,665	05/08/23	Bobek	30	161	
CS	BM	1,496,188	06/03/24	Wall	30	162	
CS	BN	1,515,688	11/18/24	Love	30	308.2	
CS	BO	1,584,165	05/11/26	Brown	30	159	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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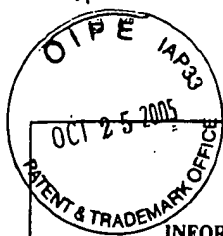
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(F)	CA	1,614,949	01/18/27	Finley	30	161x	
(F)	CB	1,738,496	12/03/29	Laux	30	162x	
(F)	CC	1,810,031	06/16/31	Schrade	30	159	
(F)	CD	2,284,168	05/26/42	Rickenbacher	30	162	
(F)	CE	2,455,765	12/07/48	Harvey	248	360	
(F)	CF	2,304,601	12/08/42	Schrade	30	159	
(F)	CG	2,569,080	09/25/51	Trimble et al.	30	320	
(F)	CH	2,596,294	05/13/52	Schrade	30	161	
(F)	CI	5,467,256	11/14/95	Chen	362	119	
(F)	CJ	3,079,784	03/05/63	<del>Pavieski</del> Pavlowski	70	456	
(F)	CK	3,404,456	10/8/68	Chilko	30	155	
(F)	CL	4,040,181	08/09/77	Johnson	30	161	
(F)	CM	4,133,106	01/09/79	Addis	30	160	
(F)	CN	4,148,140	04/10/79	Lile	30	161	
(F)	CO	4,173,068	11/06/79	Cargill	30	161	
(F)	CP	4,211,003	07/08/80	Collins	30	162	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CF	DA	4,218,819	08/26/80	Phelps	30	157	
CF	DB	4,240,201	12/23/80	Sawby et al.	30	161	
CF	DC	4,268,960	05/26/81	Reinschreiber	30	161	
CF	DD	4,274,200	06/23/81	Coder	30	161	
CF	DE	4,322,885	04/06/82	Osada	30	162	
CF	DF	4,347,665	09/07/82	Glesser	30	161	
CF	DG	4,389,775	06/28/83 07/22/81	Collins	30	156	
CF	DH	4,404,748	09/20/83	Wiethoff	30	161	
CF	DI	4,426,779	01/24/84	Morgan	30	138	
CF	DJ	4,439,922	04/03/84	Sassano	30	161	
CF	DK	4,442,600	04/17/84	Felix-Dalichow	30	161	
CF	DL	4,466,561	08/21/84	Slaughter	224	163	
CF	DM	4,481,712	11/13/84	Phelps	30	151	
CF	DN	4,494,309	01/22/85	Gray	30	151	
CF	DO	4,494,310	01/22/85	Slaughter	30	155	
CF	DP	4,502,221	03/05/85	Pittman	30	160	
CF	DQ	4,525,928	07/02/85	Foster	30	158	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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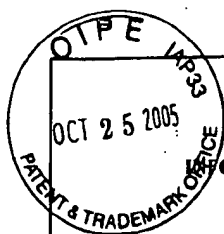
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CF	EA	4,529,111	07/16/85	Hayakawa	224	163	
CF	EB	4,541,556	09/17/85	Collins et al.	224	196	
CF	EC	4,561,577	12/31/85	Moore	224	232	
CF	ED	4,570,341	02/18/86	Konneker	30	161	
CF	EE	4,600,133	07/15/86	Maihos	224	232	
CF	EF	4,670,984	06/09/87	Rickard	30	161	
CF	EG	4,719,700	01/19/88	Taylor, Jr.	30	158	
CF	EH	4,741,106	05/03/88	Yamagishi	30	161	
CF	EI	4,805,819	02/21/89	Collins	224	232	
CF	EJ	4,805,303	02/21/89	Gibbs	30	161	
CF	EK	4,811,486	03/14/89	Cunningham	30	161	
CF	EL	4,848,000	07/18/89	O'Dell	30	158	
CF	EM	4,893,409	01/16/90	Poehlmann	30	161	
CF	EN	4,896,424	01/30/90	Walker	30	349	
CF	EO	4,909,424	03/20/90	Reynolds	224	232	
CF	EP	4,947,552	08/14/90	Barnes	30	161	
CF	EQ	4,979,301	12/25/90	Walker	30	161	

FOREIGN PATENT DOCUMENTS

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CFI	FA	5,044,079	09/03/91 05/07/90	Gibbs	30	160	
CFI	FB	5,092,045	03/03/92	Boyd, Jr. et al.	30	161	
CFI	FC	5,123,167	06/23/92	Kelley	30	151	
CFI	FD	5,217,150	06/08/93	Chen	224	163	
CFI	FE	5,217,151	06/08/93	Parsons	224	253	
	FF	5,331,741	07/26/94	Taylor, Jr.	30	158	
CFI	FG	5,349,753	09/27/94	Gaffney	30	155	
CFI	FH	5,361,497	11/08/94	Crawford	30	155	
CFI	FI	5,425,175	06/20/95	Rogers	30	161	
CFI	FJ	5,450,670	09/19/95	Sakai	30	298.4	
CFI	FK	5,461,786	10/31/95	Miller	30	161	
CFI	FL	D137,408	03/07/94 06/17/90	Herrick Frick	D8	55	
CFI	FM	D333,251	02/16/93	Glessner	D8	99	
CFI	FN	D338,386	08/17/93	Frazer	D8	105	
CFI	FO	D345,289	03/22/94	Sakai	D8	99	
CFI	FP	D345,688	04/05/94	McLean et al.	D8	356	
CFI	FQ	D365,266	12/19/95 12/29/94	Hasegawa	D8	99	

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